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APPLICATION NO.	FILING DATE 09/12/2003		FIRST NAMED INVENTOR Brian Egan	ATTORNEY DOCKET NO.	CONFIRMATION NO. 6962	
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25226	7590	04/12/2005		EXAMINER		
MORRISC	N & FOE	ERSTER LLP	SLAVITT, M	SLAVITT, MITCHELL R		
755 PAGE 1	MILL RD					

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DATE MAILED: 04/12/2005

ART UNIT

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applic	ation No.	Applicant(s)				
),891	EGAN, BRIAN				
	Office Action Summary	Exami	ner	Art Unit				
		Mitche	l R Slavitt	2651				
Period fo	The MAILING DATE of this commun	nication appears on	the cover sheet wi	th the correspondence a	ddress			
A SHOTHE I - Exter after - If the - If NO - Failu Any r	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN risions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this come period for reply specified above is less than thirty (i period for reply is specified above, the maximum re to reply within the set or extended period for reply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	IICATION. s of 37 CFR 1.136(a). In no munication. 30) days, a reply within the tatutory period will apply an y will, by statute, cause the	event, however, may a restatutory minimum of thirt d will expire SIX (6) MON application to become AB	eply be timely filed y (30) days will be considered time THS from the mailing date of this of ANDONED (35 U.S.C. § 133).	ely. communication.			
Status								
1) 又	Responsive to communication(s) file	ed on 15 Decembe	r 2003.					
,	•	2b)⊠ This action i						
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
5)□ 6)⊠ 7)⊠								
Applicati	on Papers							
10)⊠	The specification is objected to by the drawing(s) filed on 12 Septemb Applicant may not request that any objected to Replacement drawing sheet(s) including the oath or declaration is objected to	er 2003 is/are: a) cetion to the drawing(so	s) be held in abeyan uired if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 C	FR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachment								
2) 🔲 Notice 3) 🔯 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (f nation Disclosure Statement(s) (PTO-1449 or r No(s)/Mail Date <u>12/15/03</u> .		Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application (PT 	O-152)			

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DETAILED ACTION

Duplicate Claims

1. Claims 21 and 22 are objected to under 37 CFR 1.75 as being a substantial duplicate of claim 20. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-4, 12-13, 16-17, and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Yokoyama et al. (Yokoyama).

Regarding claims 1-2, a tape drive system comprising a head element for reading and writing is described in Fig 2. The head element is denoted D with an actuator (14) and a tape T and a supply reel (4) and take-up reel (5). The Abstract and Fig 37 teach a pressure sensor described as a surface pressure estimator that generates a surface pressure control signal. The signal represents an estimated surface pressure exerted on the head.

Regarding claim 3, an accelerometer for sensing an acceleration of the head assembly is taught at col 27, lines 49-52.

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Regarding claim 4, Fig 12 teaches a tape stiffness element (52) and state estimator (15a) that estimates the acceleration and speed of the tape. See col 21, lines 38-62.

Regarding claim 12, the Abstract teaches an estimated surface pressure is exerted by the recording medium on the movable magnetic head. The take-up reel and supply reel are described in Fig 2. Fig 37 teaches the surface pressure tension is determined by a surface pressure estimator.

Regarding claim 13, Fig 37 teaches a surface pressure estimator (505) and a surface pressure control system compensator (504). The Abstract refers to a reference surface pressure that presumably represents an optimum contact level.

Regarding claims 16-17 and 20, the elements of the claim have been identified in the response to claims 1 and 12 except for a support and tape contacting member. A support/tape contacting member is described as a pin (542) in Fig 37. Also see discussion at col 36, lines 28-36. The pin provides a support as the tape moves to the head from the supply reel and is also in contact with the tape.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yokoyama in view of Chliwnyj et al. (Chliwnyj). Yokoyama teaches all the elements of

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the claim except for adjusting the rotational velocity of the take-up reel or supply reel motor. Chliwnyi teaches this feature at col 3, lines 36-40. At the time of the invention it would have been obvious to one of ordinary skill in the art to modify the method of

Yokoyama with the suggestion of adjusting the velocity of a reel to reduce tension in the

tape and avoid an inadvertent changing of the tape dimensions.

Allowable Subject Matter

6. Claims 5-11,15, and 18-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitchell R Slavitt whose telephone number is (571) 272-7562. The examiner can normally be reached on M-F (6:30-4:00), 2nd Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David R Hudspeth can be reached on (571) 272-7843. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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